

# LPH Harness Instruction Guide



## Important Notes

All LPH harnesses are designed to work on OEM Non-Amplified systems.

All LPH harnesses are designed to be modular and used in various applications. (Listed Below)

- Adding Multi-Channel Amplifiers Front -LPH-SPK(A) / (C)
- Adding Multi-Channel Amplifiers Rear -LPH-SPK(B) / (D)
- Adding Multi-Channel Amplifiers Front / Rear -LPH-SPK(A) / (B) / (C) / (D)
- Adding Mono Amplifier Standalone Subwoofer -LPH-SPK(E)
- Provides Power/Ground/ACC -LPH-SPK(F)
- Provides speaker inputs / outputs on all channels

If no powered accessories are going to be installed behind your radio you will not need to use the **LPH-SPK(F)** pigtail. If you are using this harness make sure your loose ends are connected prior to plugging in to the main LPH harness. If not connected to a device or insulated this could cause a short circuit.

## Wiring Connection Chart (All Models)

LPH-SPK (A)		LPH-SPK (B)		LPH-SPK (C)	
Front - Signal from AMP		Rear - Signal from AMP		Front - Signal to AMP	
Wire Color	Function	Wire Color	Function	Wire Color	Function
White	Front Left (+)	Green	Rear Left (+)	White	Front Left (+)
White/Black	Front Left (-)	Green/Black	Rear Left (-)	White/Black	Front Left (-)
Gray	Front Right (+)	Violet	Rear Right (+)	Gray	Front Right (+)
Gray/Black	Front Right (-)	Violet/Black	Rear Right (-)	Gray/Black	Front Right (-)
LPH-SPK (D)		LPH-SPK (E)		LPH-SPK (F)	
Rear - Signal to AMP		Signal to AMP (SUB-T)		Power Extension	
Wire Color	Function	Wire Color	Function	Wire Color	Function
Green	Rear Left (+)	Blue	Left (+)	Yellow	Constant 12V
Green/Black	Rear Left (-)	Blue/Black	Left (-)	Red	Accessory
Violet	Rear Right (+)	Red	Right (+)	Black	Ground
Violet/Black	Rear Right (-)	Red/Black	Right (-)		

**LPH-SPK (E)** Can be use in both front or rear configurations based on user preference.

**LPH-SPK (F)** Not all vehicles will provide accessory signal (Red Wire).

## Example Installation - Mono Amplifier - LPH-SPK(E)



For this application you will want to split either the front or rear channels on the main LPH harness and insert (LPH-SPK(E)) in between. (See Photo).

This will provide a High-Level output for various devices such as an Amplifier, DSP, or LOC that can accept a high-level input signal.

LPH-SPK(F) can be used to provide Power, Ground, and in some cases Acc for your audio adapter (See Photo Bottom Right).



You will want to test your vehicles factory speaker signal to verify that low level frequencies are present.

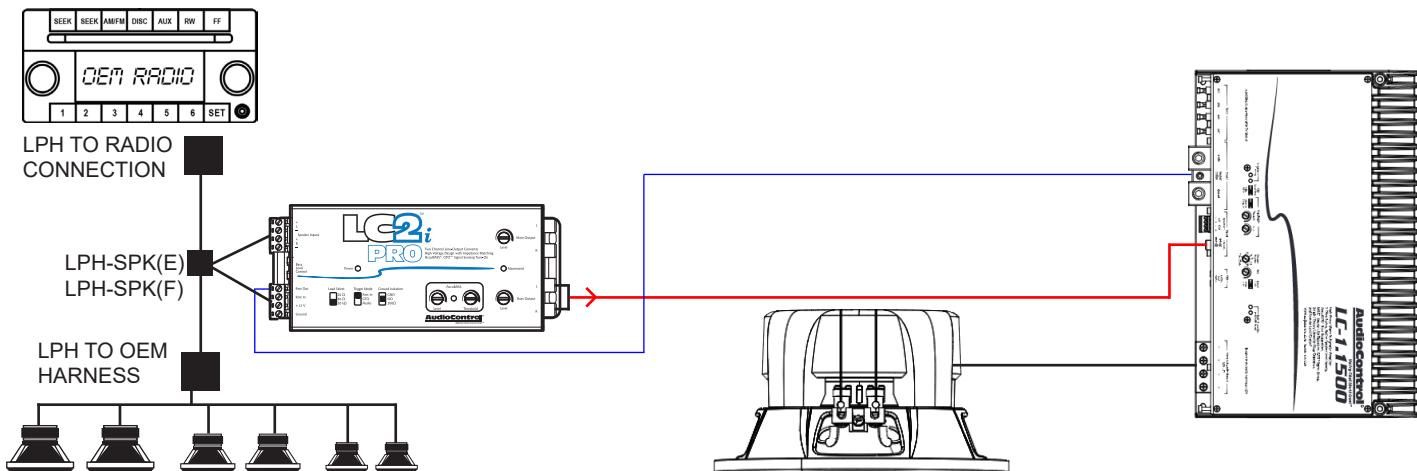
This example will also maintain your factory speaker connection as it is bypassed though the harness.



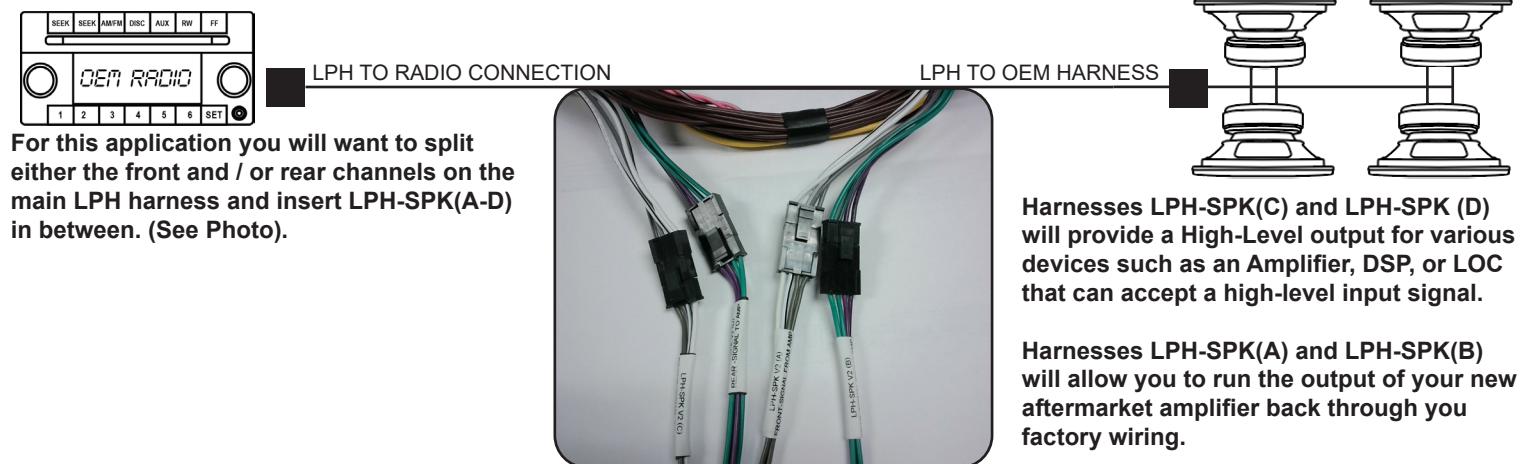
# LPH Harness Instruction Guide



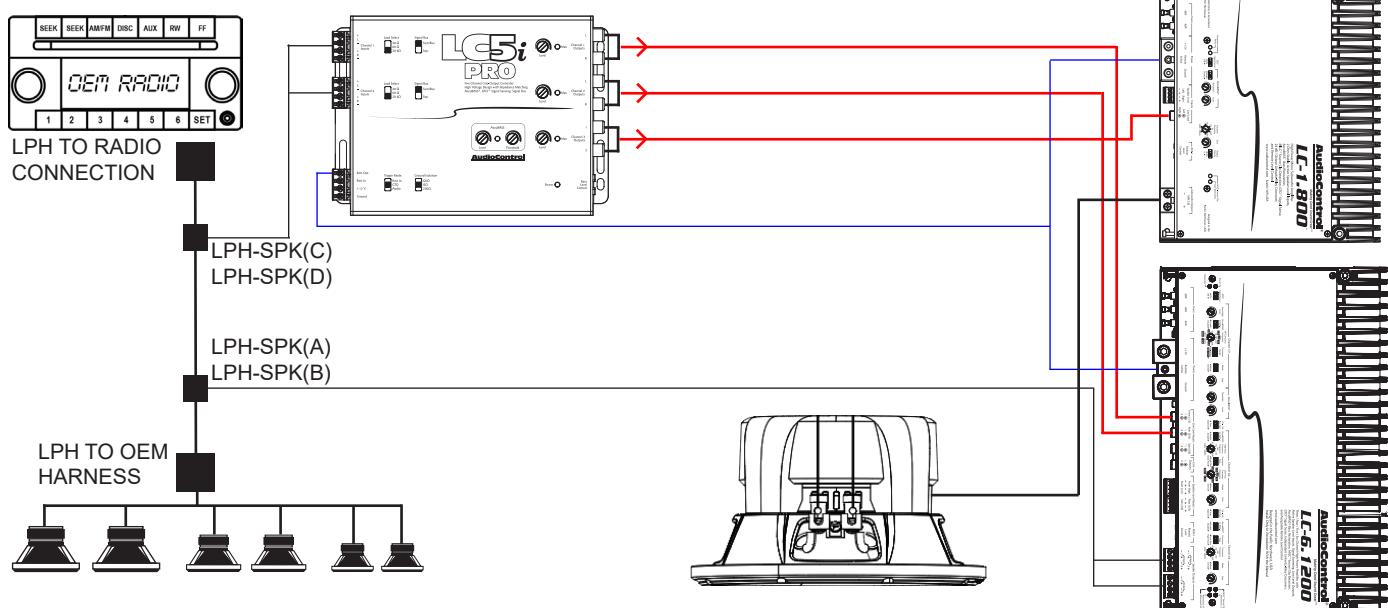
## Example Installation - Mono Amplifier - LPH-SPK(E) Continued



## Example Installation - Multi-Channel Amplifier - LPH-SPK(A/B/C/D)



## Example Installation - Multi-Channel Amplifier - LPH-SPK(A/B/C/D) Continued





**L·O·C·P·R·O™**  
**ADVANCED**  
T-HARNESSES

## UPGRADE YOUR SOUND KEEP YOUR FACTORY RADIO

### SELECT YOUR LPH or APH HARNESS

**1985+ Toyota** Factory Radio T-Harness with non-amplified system for hi-level speaker out LOCOPRO Advanced T-Harness for Toyota factory radio with non-amplified system and BHA1761 type connector

**LPHTY01**



**2019+ Toyota** Factory Radio T-Harness with non-amplified system for hi-level speaker out LOCOPRO Advanced T-Harness for Toyota factory radio with non-amplified system and BHA1765 type connector

**LPHTY02**



**2002+ Infinity Nissan Subaru** Factory Radio T-Harness with non-amplified system for hi-level speaker out LOCOPRO Advanced T-Harness for Infinity Nissan Subaru with 20-Pin connector

**LPHNI03**



### DOWNLOADS:

#### LGD QUICK REFERENCE GUIDE

[Click here to download](#)

#### LGD QUICK INSTRUCTION MANUAL

[Click here to download](#)

#### APH & LPH HARNESSES

[Click here to download](#)



## 2007+ Chrysler Dodge Jeep Factory Radio

T-Harness with non-amplified system for hi-level speaker out LOCPRO Advanced T-Harness for Chrysler with 22-Pin connector

LPHCH21



### 2018 and Up LGD-20 REQUIRED



### 2007-2017 LGD REQUIRED



## 2013+ Chrysler Dodge Factory Radio T-Harness

T-Harness with non-amplified system for hi-level speaker out LOCPRO Advanced T-Harness for Chrysler factory radio with non amplified system and 52-pin locking type connector

LPHCH41



### 2018 and Up LGD-20 REQUIRED



### 2007-2017 LGD REQUIRED



## 2011+ Ford Factory Radio T-Harness

with non-amplified system for hi-level speaker out LOCPRO Advanced T-Harness for Ford with 24-Pin connector

LPHFD21



### LGD-20 REQUIRED



## 2018-2022 Ford Factory Radio T-Harness

with non-amplified system for hi-level speaker out LOCPRO Advanced T-Harness for Ford with 32-Pin connector

LPHFD31



### LGD-20 REQUIRED



## 2014+ GM Factory Radio T-Harness

with non-amplified system for hi-level speaker out LOCPRO Advanced T-Harness for GM IOB/IO5/IO6 non-BOSE Infotainment System with 32-Pin connector

LPHGM51



### LGD-20 REQUIRED



## 2016+ GM Factory Radio T-Harness

with non-amplified system for hi-level speaker out LOCPRO Advanced T-Harness for GM IOA/IOB Infotainment System

LPHGM52



### LGD-20 REQUIRED



## 2019+ GM Factory Radio T-Harness

with non-BOSE system for hi-level speaker out LOCPRO Advanced T-Harness for GM factory radio with non-BOSE system and 2/29 pin connector

LPHGM71



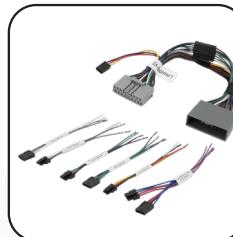
### LGD-20 REQUIRED





**2006-2011 Honda** Factory Radio T-Harness with non-amplified system for hi-level speaker out  
LOC PRO Advanced T-Harness for Honda with 17-Pin connector

**LPHHD02**

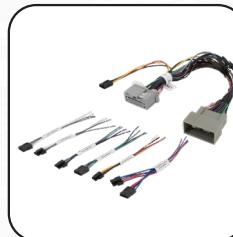


**LGD-20 REQUIRED**



**2008-2021 Honda** Factory Radio T-Harness with non-amplified system for hi-level speaker out  
LOC PRO Advanced T-Harness for Honda factory radio with non amplified system and 24-pin type connector

**LPHHD03**



**LGD-20 REQUIRED**



**2016-2021 Honda** Factory Radio T-Harness with non-amplified system for hi-level speaker out  
LOC PRO Advanced T-Harness for Honda with 24-Pin connector

**LPHHD04**



**LGD-20 REQUIRED**



**2009-2015 Hyundai/Kia** Factory Radio T-Harness with non-amplified system for hi-level speaker out  
LOC PRO Advanced T-Harness for Hyundai/Kia with 16-Pin connector

**LPHY03**



**LGD-20 REQUIRED**



**2010-2018 Hyundai/Kia** Factory Radio T-Harness with non-amplified system for hi-level speaker out  
LOC PRO Advanced T-Harness for Hyundai/Kia with 18 & 24-Pin connector

**LPHY04**



**LGD-20 REQUIRED**



**2017-2020 Hyundai/Kia** Factory Radio T-Harness with non-amplified system for hi-level speaker out  
LOC PRO Advanced T-Harness for Hyundai/Kia with 35 & 38-Pin connector

**LPHY06**



**LGD-20 REQUIRED**



**Tesla Model 3 & Y** Vehicle Specific Audio Integration T-Harness for Tesla with 16-Pin MCU & 12 & 12-Pin Amplifier connector

**LPHTSL01**



**LGD REQUIRED**





**2001-2017 European Vehicles** Factory Radio  
T-Harness with non-amplified system for hi-level  
speaker out LOC PRO Advanced T-Harness for  
European Vehicles with 16-Pin connector  
**LPHVW01**



**LPH Speaker Harness Extension** Speaker High-  
Level Input & Output 17 Feet in Length  
**LPHEXT17**



## APH HARNESSES

**2007-2019 Ford** vehicles with factory amplified  
sound systems  
**APH-FD01**



**2018-2019 Ford** vehicles with factory B&O  
amplified sound systems  
**APH-FD02**



**Chrysler, Dodge, Jeep, and RAM** vehicles with  
factory amplified sound systems  
**APH-CH01**



**Chrysler** vehicles with factory amplified sound  
systems  
**APH-CH03**

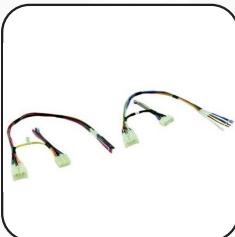




**2014-2019 GM** vehicles with factory amplified sound systems  
**APH-GM02**



**2005-2017 Toyota** vehicles with factory amplified sound systems  
**APH-TY01**



**2012-2018 Toyota Lexus** vehicles with factory amplified sound systems  
**APH-TY02**



**2003-2010 Toyota** vehicles with factory amplified sound systems  
**APH-TY03**



**2006-2018 Toyota Lexus** vehicles with factory amplified sound systems  
**APH-TY04**



## System Example 1



## System Example 2



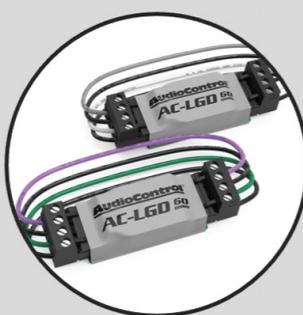
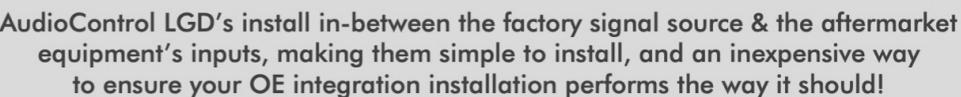
UPGRADE YOUR SOUND - KEEP YOUR FACTORY RADIO



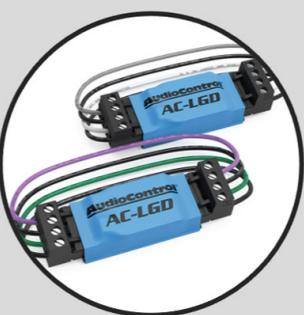
# System Example 1



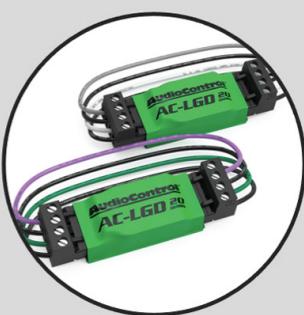
# AC-LGD Quick Reference Guide



AC-LGD60 for 2018+ vehicles  
WITH AMPLIFIED OEM systems



AC-LGD for 2005-2015 vehicles  
ALL MAKES/MODELS



AC-LGD20 for 2018+ vehicles  
W/O AMPLIFIED OEM systems



## Common examples of vehicles that benefit from LGD's:

- Toyota
- Dodge/Ram
- Honda
- Ford
- Chrysler
- Alfa Romeo
- Fiat
- Harley-Davidson
- Jeep
- Subaru with STARLINK
- GM
- Maserati

Today's factory sound systems include more Class D amplifier technology which can mute, distort or emit damaging frequencies to your new aftermarket audio equipment when the factory system no longer senses an impedance load present on its outputs. Using carefully selected resistors and a Zobel Network (AC-LGD), the AC-LGD series has been designed to generate load and stabilize signal from the factory system to ensure the best possible audio.